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## PATENT ABSTRACTS OF JAPAN

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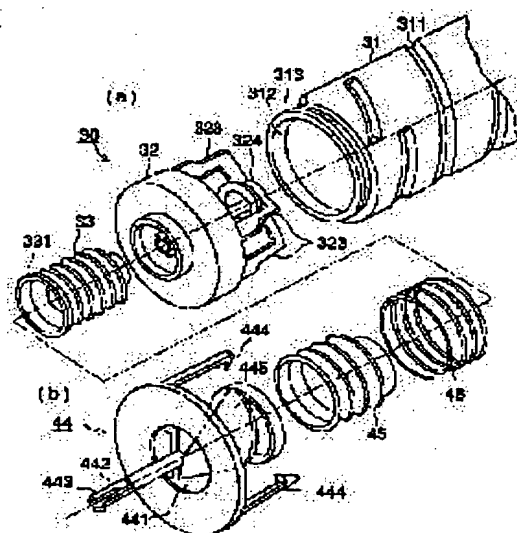
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(54) POWDER CONTAINER, DEVELOPER CARTRIDGE, DEVELOPER REPLENISHING DEVICE, AND COLOR IMAGE FORMING DEVICE

(57)Abstract:

**PROBLEM TO BE SOLVED:** To smoothly and surely execute open/close of an open/closing cap at the cartridge attain/detaching time, and to set plural cartridges at specified setting position without erroneous setting by mounting the open/close cap provided with flexibility and formed in a cylindrical shape to a replenishment port of the container main body.

**SOLUTION:** The cartridge 30 is constituted of the container main body 31 in a cylindrical shape forming the developer guide part 311 composed of a helical projecting groove on the inner peripheral surface for containing the developer inside, a fix cap 32 provided with the replenishment port integrally fixed on the opening port 312 of the container main body 31 and the cartridge open/closing cap 33 formed in a bellows state freely expansibly and contractibly engaged with the fixed cap 32 inside. Then, an engaging catch part 313 provided on periphery of the opening port 312 of the container main body 31 is closely engaged integrally so as to be nipped in a recessed part provided in the inner periphery of the fixed cap 32. A handle part facilitates the positioning operation of the cartridge 30, at the time of loading the cartridge 30 on the cartridge loading part.



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